

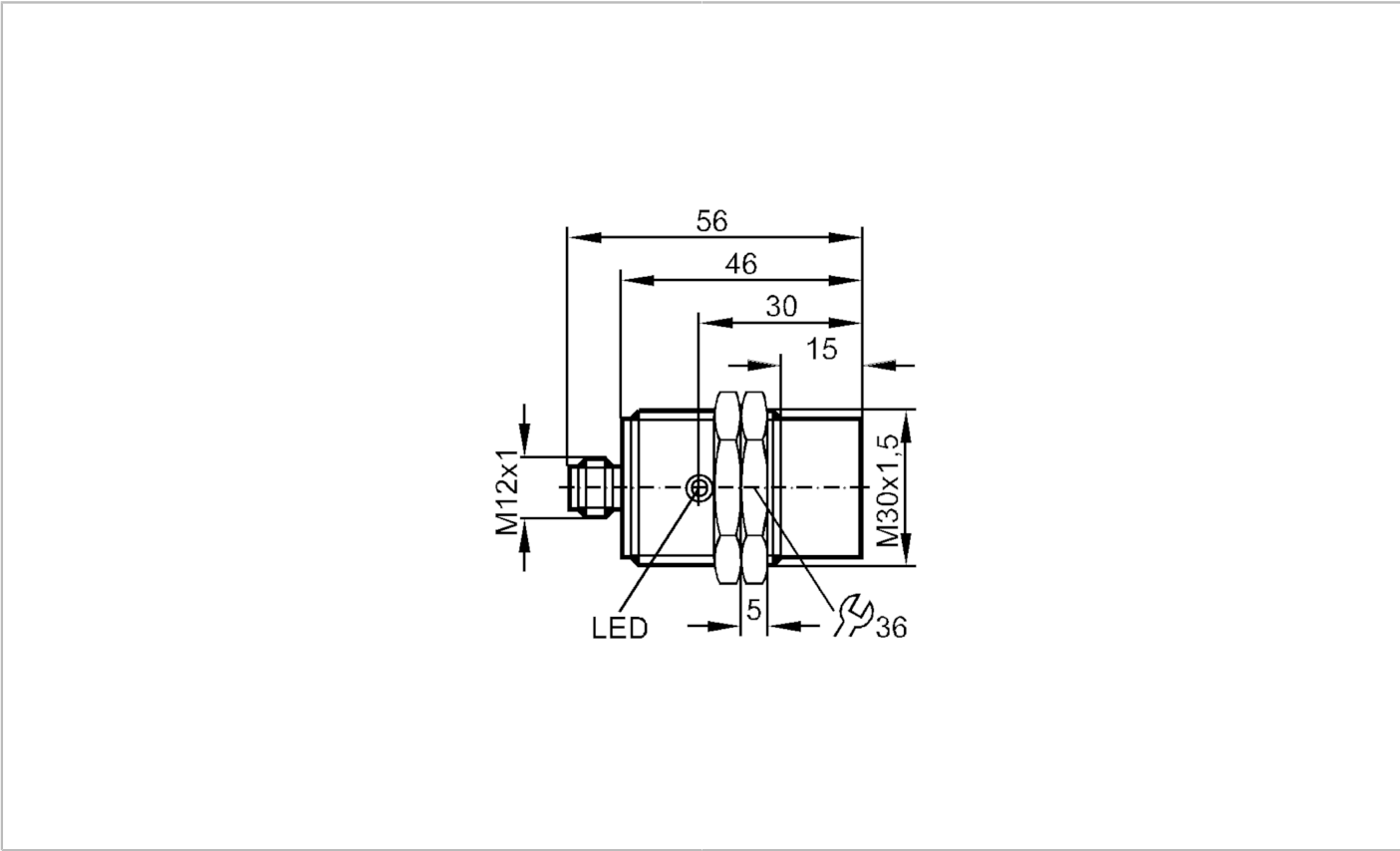


Inductive sensor

IIB3015-APOG/US-100-DPO

Article no longer available - archive entry

Alternative articles: IIS209  
When selecting an alternative article and accessories please note that technical data may differ!



| Product characteristics                         |      |                 |
|-------------------------------------------------|------|-----------------|
| Electrical design                               |      | PNP             |
| Output function                                 |      | normally closed |
| Sensing range                                   | [mm] | 15              |
| Housing                                         |      | threaded type   |
| Dimensions                                      | [mm] | M30 x 1.5       |
| Electrical data                                 |      |                 |
| Operating voltage                               | [V]  | 10...36 DC      |
| Current consumption                             | [mA] | < 7             |
| Protection class                                |      | II              |
| Reverse polarity protection                     |      | no              |
| Outputs                                         |      |                 |
| Electrical design                               |      | PNP             |
| Output function                                 |      | normally closed |
| Max. voltage drop switching output DC           | [V]  | 2               |
| Permanent current rating of switching output DC | [mA] | 200             |
| Switching frequency DC                          | [Hz] | 250             |

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|                          |    |
|--------------------------|----|
| Short-circuit protection | no |
| Overload protection      | no |

| Detection zone             |           |
|----------------------------|-----------|
| Sensing range [mm]         | 15        |
| Real sensing range Sr [mm] | 15 ± 10 % |
| Operating distance [mm]    | 0...12.1  |

| Accuracy / deviations        |                                                                             |
|------------------------------|-----------------------------------------------------------------------------|
| Correction factor            | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2 |
| Hysteresis [% of Sr]         | 1...15                                                                      |
| Switch point drift [% of Sr] | -10...10                                                                    |

| Operating conditions     |          |
|--------------------------|----------|
| Ambient temperature [°C] | -25...80 |
| Protection               | IP 65    |

| Mechanical data    |                          |
|--------------------|--------------------------|
| Housing            | threaded type            |
| Mounting           | non-flush mountable      |
| Dimensions [mm]    | M30 x 1.5                |
| Thread designation | M30 x 1.5                |
| Materials          | brass nickel-plated; PBT |

| Displays / operating elements |                  |                 |
|-------------------------------|------------------|-----------------|
| Display                       | switching status | 1 x LED, yellow |

| Accessories    |              |
|----------------|--------------|
| Items supplied | lock nuts: 2 |

| Remarks       |        |
|---------------|--------|
| Pack quantity | 1 pcs. |

**Electrical connection - plug**

Connector: 1 x M12; coding: A





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### Connection

